

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 1-14, 16-18, 21, 22, 24, 25, 27, 28, 30, 31, 33 and 34, AMEND claims 15, 19, 20, 23, 26, 29 and 32 and ADD new claims 35-47 in accordance with the following:

1-14 (cancelled)

15. (currently amended) A computer-readable recording medium ~~that is recorded with~~ storing a computer readable program to be executed by a computer ~~a rendering calculation processing status monitoring program~~ for monitoring a processing status of a user-requested job of a rendering calculation processing, wherein the program ~~makes a computer function as~~ comprises:

~~a monitoring unit which decides whether the job is a processing suitable for the user or not; and~~

~~a notification unit which notifies to the user that the job is not a suitable processing, when the monitoring unit has made this decision.~~

storing information on the rendering calculation processing of a rendering file that is performed with varying a plurality of parameters, the information including influencing characteristics that each parameter gives influence to the job on a processing transition of a processing example that is desirable for the user;

obtaining influencing characteristics that each parameter gives influence to the job on a processing transition of a current rendering processing;

comparing the thus obtained influencing characteristics on the processing transition with the influence characteristics on the processing transition of the processing example for each parameter;

deciding whether the job is a processing suitable for the user during the execution of the job processing based on a predetermined rule; and

notifying to the user that the job is not a suitable processing, when the job is decided not to be a processing suitable for the user;

wherein when the job has been decided as not suitable, a difference in the influencing characteristics of each parameter between the current rendering processing and the processing example is determined, and a parameter set with a greatest difference in value of the influencing characteristics is specified as a candidate parameter for correcting a set value.

16-18. (cancelled)

19. (currently amended) The computer-readable recording medium according to claim ~~48~~ 15, wherein the ~~monitoring unit accumulates influence characteristics that each parameter gives to the job, and specifies the cause by referring to the influence characteristics~~ include an average processing time for processing a predetermined number of frames for each parameters and an increase or decrease in the processing time of each frame with respect to a processing time of a frame immediately preceding the frame for each parameters.

20. (currently amended) The computer-readable recording medium according to claim ~~47~~ 15, wherein the user specifies the processing example that is desirable for the user, from among jobs that have been executed in the past.

21-22. (cancelled)

23. (currently amended) The computer-readable recording medium according to claim ~~47~~ 15, wherein at the time of comparing the job with the processing example that is desirable for the user, a reference case is prepared based on a plurality of the previously stored cases, and the job to be decided is compared with this reference case.

24-25. (cancelled)

26. (currently amended) The computer-readable recording medium according to claim ~~47~~ 15, wherein when the monitoring unit has ~~decided that the job is not a processing that is desirable for the user, the monitoring unit specifies a cause of the generation of this job~~ specified the candidate parameter, and the notification unit notifies the ~~cause~~ candidate parameter to the user.

27-28. (cancelled)

29. (currently amended) A rendering calculation processing status monitoring apparatus for monitoring a processing status of a user-requested job of a rendering calculation processing for processing a plurality of frames, the apparatus comprising:

a storing unit which stores information on the rendering calculation processing of a rendering file that is performed with varying a plurality of parameters, the information including influence characteristics that each parameter gives to the job on a processing transition of a processing example that is desirable for the user;

a monitoring unit which obtains influencing characteristics that each parameter gives influence to the job on a processing transition of a current rendering processing and compares the thus obtained influencing characteristics on the processing transition with the influence characteristics on the processing transition of the processing example for each parameter to decides determine whether the job is a processing suitable for the user or not during the execution of the job processing based on a predetermined rule stored in the storing unit; and

a notification unit which notifies to the user that the job is not a suitable processing that is not suitable for a user, when the monitoring unit has made this decision,

wherein when the job has been decided as not desirable, the monitoring unit determines a difference in the influencing characteristics of each parameter between the current rendering processing and the processing example, and specifies a parameter set with a greatest difference in value of the influencing characteristics as a candidate parameter for correcting a set value.

30-31. (cancelled)

32. (currently amended) The rendering calculation processing status monitoring apparatus according to claim 29, wherein when the monitoring unit has ~~decided that the job is not a processing that is desirable for the user, the monitoring unit specifies a cause of the generation of this job~~ specified the candidate parameter, and the notification unit notifies the ~~cause~~ candidate parameter to the user.

33. (cancelled)

34. (cancelled)

35. (new) The computer-readable recording medium according to claim 15, wherein the influence characteristic are ratios of absolute values of differences between a current value and an average value to variance.

36. (new) A method of monitoring a rendering calculation process performed with respect to a job, comprising:

acquiring first characteristics relating to the rendering calculation process being carried out;

determining whether the first characteristics match with a second characteristics; and

outputting a notification, when it is determined at the determining that the first characteristics do not match with the second characteristics.

37. (new) The method according to claim 36, further comprising accumulating a plurality of first characteristics of previously performed rendering calculation processes on other jobs, and the method further comprising:

setting the second characteristics based on the first characteristics accumulated at the accumulating.

38. (new) The method according to claim 36, wherein the setting includes a user selecting a first characteristic from among the plurality of first characteristics as the second characteristics.

39. (new) The method according to claim 36, wherein the job includes a plurality of frames, the rendering calculation process is performed frame by frame, and each of the first characteristics and the second characteristics includes at least one of an average processing time required to perform the rendering calculation process on a plurality of frames and processing times required to perform the rendering calculation process on adjacent frames.

40. (new) The method according to claim 36, wherein the outputting includes sending an electronic message that indicates that the first characteristics do not match with the second characteristics to a registered address.

41. (new) The method according to claim 36, wherein the rendering calculation process is performed based on at least one variable parameter, and the method further comprising:

identifying a cause parameter, when it is determined at the determining that the first characteristics do not match with the second characteristics, which is a parameter that is a cause for not matching of the first characteristics with the second characteristics; and
outputting the cause parameter.

42. (new) The method according to claim 41, wherein the outputting includes sending an electronic message that indicates that the cause parameter is a cause for not matching of the first characteristics with the second characteristics to a registered address.

43. (new) The method according to claim 41, wherein the job includes plurality of frames, the rendering calculation process is performed frame by frame, each of the first characteristics and the second characteristics relate to a rendering calculation process corresponding to each frame for each parameter, and the identifying includes
monitoring the first characteristics relating to the rendering calculation process corresponding to each frame for each parameter; and
selecting a parameter that causes the first characteristics to not change in a predetermined manner based on a result of the monitoring; and
outputting the parameter selected at the selecting as the cause parameter.

44. (new) The method according to claim 43, wherein the outputting includes sending an electronic message that indicates that the cause parameter is a cause for not matching of the first characteristics with the second characteristics to a registered address.

45. (new) The method according to claim 40, further comprising:
calculating a value of the cause parameter that will cause the first characteristics to change in a predetermined manner; and
outputting the value.

46. (new) The method according to claim 45, wherein the outputting includes sending an electronic message to a registered address that indicates that the first characteristics will match with the second characteristics if the cause parameter is set to the value.

47. (new) A method for monitoring a user-requested job of a rendering, performed by making a plurality of parameter changes, the method comprising:

storing influencing characteristics for a sample rendering that is desirable to the user, each influencing characteristic describing how a parameter change influences the sample rendering;

obtaining influencing characteristics for the user-requested job such that an influencing characteristic is obtained for each parameter being changed in the user-requested job;

for each parameter being changed, determining a difference between the influencing characteristic for the user-requested job and the influencing characteristic for the sample rendering;

based on the differences, deciding whether the user-requested job is suitable for the user during the execution of the user-requested job;

if it is decided that the user-requested job is not suitable, notifying the user that the user-requested job is not suitable; and

if it is decided that the user-requested job is not suitable, identifying potential parameters for correction, the potential parameters for correction being the parameters having the greatest differences between the influencing characteristic for the user-requested job and the influencing characteristic for the sample rendering.